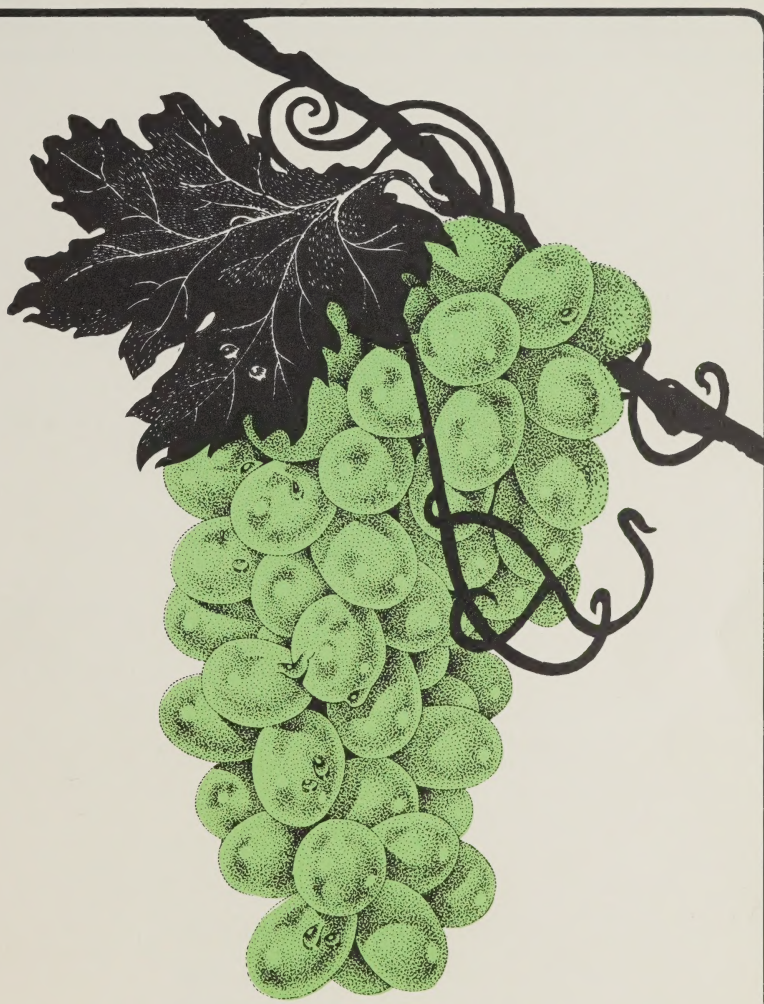


# 1986 FRUIT TREE CENSUS

Part 1

## Grapes


CASPH  
AF  
- F31



Ministry of  
Agriculture  
and Food

**ONTARIO**

Jack Riddell, Minister  
Clay Switzer, Deputy



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1986 FRUIT TREE CENSUS

Part 1

# Grapes



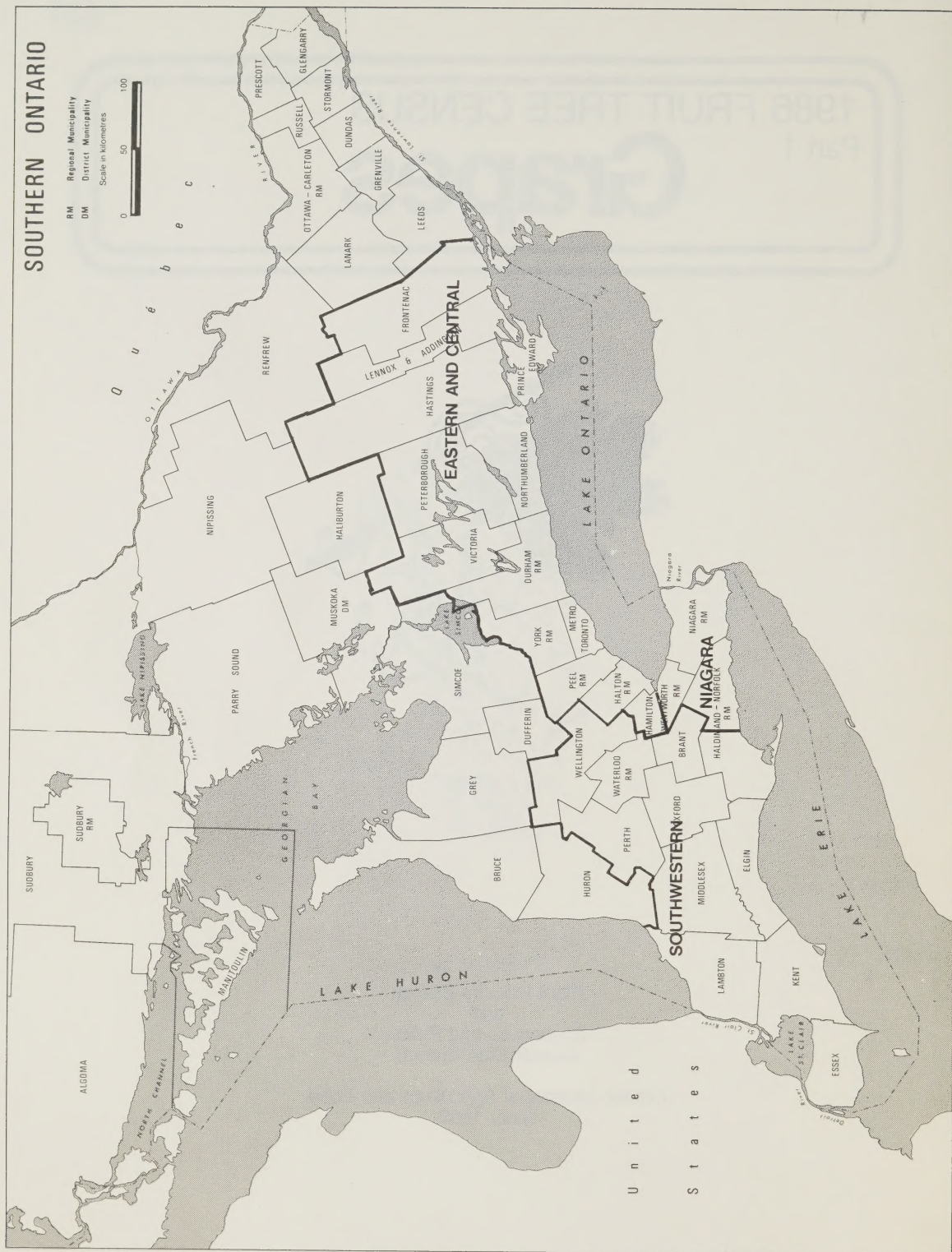
Prepared by  
Plant Industry Branch  
and  
Economics and Policy  
Coordination Branch

Ontario Ministry of Agriculture and Food  
June, 1987



# SOUTHERN ONTARIO

RM Regional Municipality  
DM District Municipality  
Scale in kilometres



## FOREWORD

The Fruit Tree and Grape Census is conducted in Ontario every five years through the joint efforts of the Ontario Ministry of Agriculture and Food and the Ontario Tender Fruit Producers' and Grape Growers' Marketing Boards. Data for the census are collected from all commercial growers by mail questionnaire. Every effort is made by those involved to make this report as complete as possible.

The results of the 1986 Census are being published in three parts and an effort has been made to include as much informative and timely material as possible for the various crops. This publication presents the number of grape vines reported in the census; another publication will deal with tender fruit and a third with apples. We trust that growers will find this report of value in deciding future plantings and also that industry personnel responsible for making crop forecasts will find this an up-to-date base for predictions.

The 1986 Grape Census was mailed out and collected through the Ontario Grape Growers' Marketing Board. The Economics and Policy Coordination Branch of OMAF was responsible for the tabulation of Census schedules and preparation of statistical tables. It is believed that the statistics presented are a realistic picture of the status of the grape industry in the province.

In this report, reference is made to the 1966 through 1981 censuses. Wherever possible, the format established in 1966 and followed in later years is followed again in 1986 to facilitate direct comparisons.

For purposes of this census, the Province is divided into the following three districts.

1. NIAGARA DISTRICT - Regional Municipalities of Niagara, Hamilton-Wentworth (south of Hwy. 99), and old Haldimand county.
2. SOUTHWESTERN ONTARIO DISTRICT - Counties of Brant, Oxford, Perth, Wellington, Elgin, Middlesex, Kent, Lambton, Essex, Huron, old Norfolk, and the Regional Municipality of Waterloo.
3. EASTERN AND CENTRAL ONTARIO DISTRICT - Counties of Frontenac, Lennox and Addington, Hastings, Prince Edward, Northumberland, Peterborough, Victoria, and the Regional Municipalities of Durham, York, Peel, Halton, and Hamilton-Wentworth (North of Hwy. 99).

Appreciation is expressed to the Ontario Grape Growers' Marketing Board staff for their extensive assistance in collecting the data from growers and also to the grape growers who took time to accurately complete and return the census questionnaire. This census can only be as complete and accurate as the cooperation received from growers.



# HIGHLIGHTS OF THE GRAPE GROWING INDUSTRY 1981 - 1986

## GRAPE PRODUCTION HIGHLIGHTS

Grape production continues to increase, with 1986 exhibiting the second largest crop on record. The five year average production for 1977 to 1981 was 69,063 tons and by the period 1982 to 1986 the five year average had increased to 77,518 tons. A record of 90,037 tons was established in 1984. The demand for White Hybrid and Vinifera grapes due to preference for white varietal table wines documented in the 1981 Census continues, and increased plantings of white grapes in 1986 were again documented.

The substantial increase in production from 1981 to 1986 was due partly to increased plantings and partly to a series of winters that were fairly favourable without the extremes of cold. Furthermore, there were no serious crop losses to either early fall or late spring frosts.

The past five years were characterized by 3 consecutive years of large grape surpluses, at 33,011, 11,910 and 20,262 tons of grapes in the years 1984 to 1986, respectively. Among the reasons for these large surpluses are shifts in consumer tastes and the fairly free movement of foreign grapes and wines to Canadian markets. The Agricultural Products Board of Agriculture Canada, in cooperation with the Ontario Ministry of Agriculture and Food and the grape growers shared in a Surplus Program to purchase these grapes. These purchases go into storage as processed product, and are sold by the Ontario Grape Growers' Marketing Board (OGGMB), acting as an agent for the Agricultural Products Board. Net costs of the program are shared equally between the federal and provincial governments and the growers. The most recent surpluses (for 1986) occurred largely in the Catawba, De Chaunac, Delaware, Dutchess, Elvira, LeCommandant, Marechal Foch, and Ventura varieties. The surpluses of 1984 and 1985 have been sold. More than 60% of the surplus of 1986 is sold.

Ontario grapes for processing are sold by classes at prices established through negotiation between the OGGMB, the Wine

Council of Ontario, and the Ontario Food Processors' Association. Classes 1-4a are predominantly labrusca types and classes 5-10 are French Hybrid, American Hybrid and Vinifera, generally used for table wine production. According to the OGGMB, the following is the tonnage of the main grape varieties used for processing in 1981 and 1986:

TABLE 1 - PURCHASES OF ONTARIO GRAPES BY PROCESSORS, 1981 AND 1986

=====		
- TONS -		
CLASSES 1 - 4a	1981	1986 **
CONCORD.....	19,682	15,572
FREDONIA.....	218	294
PRESIDENT.....	721	354
ELVIRA.....	8,220	10,915
NIAGARA.....	5,812	6,440
AGAWAM.....	1,925	2,402
VEEPORT.....	665	330
CATAWBA.....	2,368	3,886
MISCELLANEOUS 1-4a...	1,286	2,887
SUB-TOTAL.....	40,897	43,080
CLASSES 5 - 10		
BACO NOIR.....	199	576
VILLARD NOIR.....	417	589
ROSETTE.....	676	602
DECHAUNAC.....	6,583	6,074
CHELOIS.....	464	244
DELAWARE.....	2,224	1,982
DUTCHESS.....	876	1,221
FOCH.....	3,064	2,839
MUSCAT(CDN. AND N.Y.)	426	1,890
VINCENT.....	273	205
LE COMMANDANT.....	1,043	1,112
SEYVAL BLANC.....	1,141	4,402
VINIFERA.....	793	2,827
MISCELLANEOUS 5 - 10..	1,138	5,966
SUB-TOTAL.....	19,317	30,529
TOTAL.....	60,214	73,609

\* - INCLUDES SURPLUS TONNAGE

\*\* - DOES NOT INCLUDE EXPORTS

SOURCE: ONTARIO GRAPE GROWERS' MARKETING BOARD

Purchases of Classes 1-4 grapes increased by 5.3% from 1981 to 1986 with most of the upswing occurring in the varieties Elvira and Catawba (Table 1). Purchases of Concords declined by over 20%. While purchases of grapes in Classes 5-10 increased by 58% in the 5 years to 30,529 tons, increases in the White French and Vinifera categories account for much of the change. Seyval Blanc increased from 1,141 tons to 4,402 tons in the 5 years, while the total for all Vinifera classes is up from less than 800 tons to 2,827.

The establishment of the virus-free grape nursery under the Co-operative Program for Industry (COPI) in 1979 has been a boost to the Canadian grape industry. It allowed the development of a domestic virus-tested grape mother block so that a supply of healthy grape propagating material could be made available to the Canadian grape industry. After 7 years,

TABLE 2 - WINE SALES IN ONTARIO AND CANADA, 1981-1986

SALES OF ONTARIO WINES			
	SALES IN CANADA	SALES IN ONTARIO	IMPORTED WINE SALES IN ONTARIO
- '000 GALLONS -			
1981	10,086	7,785	7,740
1982	10,866	9,040	7,677
1983	10,568	9,077	7,952
1984	10,015	8,877	9,043
1985	10,168	8,935	9,519
1986	10,118	8,761	9,726

SOURCE: ONTARIO GRAPE GROWERS' MARKETING BOARD

TABLE 3 - GRAPE CROP UTILIZATION, ONTARIO, 1981-1986

	1981	1982	1983	1984	1985	1986
- TONS -						
AMOUNT PROCESSED						
WINE.....	38,366	37,929	55,422	36,208	39,488	35,221
JAMS AND JUICES.....	17,571	17,418	12,522	12,771	9,828	18,111
HOME WINE-MAKING AND DISTILLING.....	1,761	22	20	22	15	15
SUB-TOTAL.....	57,698	55,369	67,964	49,001	49,331	53,347
EXPORT SALES	323	136	-	-	-	3,417
SURPLUS:						
PURCHASED.*.....	2,516	510	722	33,011	11,910	20,262
UNHARVESTED.....	-	-	-	-	-	-
DOMESTIC AND LOCAL SALES.	8,287	8,523	9,216	8,025	8,095	8,116
TOTAL CROP.....	68,824	64,538	77,902	90,037	69,336	85,142

\* - PURCHASED BY THE AGRICULTURAL PRODUCTS BOARD OF AGRICULTURE CANADA

SOURCE: ONTARIO GRAPE GROWERS' MARKETING BOARD



the block at Vineland Station is at 4.8 hectares. 1986 saw the partial removal of those varieties in low demand, mainly Labrusca and Red French Hybrid varieties. The COPI block continues to be monitored by the Integrated Pest Management Program and administered jointly through the assistance of Agriculture Canada and the Ontario Ministry of Agriculture and Food.

## GRAPE MARKETING

The farm value of the 1984 crop of grapes sold for processing set a record high of almost \$31 million. While the average price per ton for the 1986 crop is the lowest since 1981 at \$358, the total value of sales, including Export is at \$27.6 million. The 1986 production of grapes at 85,142 tons was well above the 1981-1985 average of 74,526 tons.

With the exception of the 1983 crop, purchases by wineries have been fairly stagnant since 1981 at 35,000 to 39,000 tons, but significantly lower than the 44,000 to 48,000 ton pace of 1978 to 1980.

Sales of Ontario wines in Canada have fluctuated very little in the past five years, and currently stand at just over 10 million gallons (Table 2). While 1986 sales in Ontario are 1 million gallons higher than in 1981, there has been a decline in sales since 1983. As of 1984, sales of imported wines in Ontario have surpassed locally produced wines.

## TRADE

Imports of fresh grapes into Ontario have been fairly steady since 1982 at 92,000 to 100,000 tons, a level 15,000 tons above the 1981 figure. Ontario imports of grapes from Chile have almost doubled since 1981, and Spanish imports are becoming significant. Canadian imports totalled 175,000 tons in 1986, with over 22,000 tons accounted for by Chile. U.S. grapes currently comprise 85 and 73 percent of fresh grape imports to Ontario and the rest of Canada, respectively (Table 4).

TABLE 4 - IMPORTS OF FRESH GRAPES  
BY COUNTRY OF ORIGIN, 1986

=====		
TO ONTARIO:	QUANTITY	VALUE
FROM:	'000 LB	\$'000
UNITED STATES....	164,111	69,593
CHILE.....	17,798	17,099
SPAIN.....	4,353	1,929
ITALY.....	4,300	2,774
MEXICO.....	1,037	773
SOUTH AFRICA....	276	523
OTHER.....	441	315
TOTAL.....	192,316	93,006

### TO REST OF CANADA:

UNITED STATES....	115,547	55,431
CHILE.....	28,054	24,476
SPAIN.....	8,616	4,074
ITALY.....	719	568
MEXICO.....	1,685	1,246
SOUTH AFRICA....	1,936	1,858
OTHER.....	1,348	1,338
TOTAL.....	157,905	88,991

SOURCE: EXTERNAL TRADE DIVISION,  
STATISTICS CANADA

## GRAPE VINE CENSUS

The Grape Vine Census has been conducted every 5 years as of 1951. In 1986 questionnaires were mailed to all commercial grape producers in the province through the Ontario Grape Growers' Marketing Board in late June. The forms were returned to the Board for verification, and then sent to the Economics and Policy Coordination Branch of the Ontario Ministry of Agriculture and Food for compilation, tabulation, and analysis.

The response rate to this year's Census was consistent with previous years, and year to year comparisons of vine numbers should be fairly reliable.

While the number of operators growing grapes for commercial purposes decreased from 1,063 in 1981 to 1,031 in 1986, the number of vines grown has in fact increased by 4.5 percent (Tables 5 & 6). The varieties with the greatest increase since 1981 are Vidal 256 (up 374 percent), SV 23-512 (up 237 percent), and Vee Blanc (up 150 percent). Major declines occurred in Verdelet (down 62 percent), L'Aligote



(down 59 percent), Van Buren (down 52 percent), and Chelois (down 48 percent). The most abundant vine variety grown in the province is Concord (21.8 percent of total). Elvira has taken over from De Chaunac as the second most popular variety (8.3 percent), while De Chaunac accounts for 7.9 percent of total.

The rapid increase in vine numbers of the white French hybrid cultivars, Seyval Blanc, SV 23-512, and Vidal exhibited in the 1976 to 1981 period has continued. These three cultivars now total 2.3 million vines, a 128.3 percent increase over 1981. The number of Aurore vines has dropped by 21 percent, and the French hybrid, Verdelet, continues its rapid decline. Among the red French hybrids, both Foch and De Chaunac declined by about 14 percent, while Baco Noir continued strong growth.

The major white vinifera cultivars, Pinot Chardonnay and J. Riesling increased from 471,000 vines in 1981 to 821,000 vines in 1986 (up 74 percent). The red vinifera, Gamay, maintained its upward trend.

Analysis of vine distribution by region shows that Southwestern Ontario is slowly becoming significant for commercial grape production (Table 7). The number of vines grown in Southwestern Ontario in the years 1976, 1981, and 1986 has grown from 1 to 3 to 5 percent respectively. Total vine numbers have increased by 80 percent in the last 5 years to 714,000. Vine numbers in Central and Eastern Ontario have more than tripled in the last 5 years, although commercial grape production in these regions is still insignificant.

The age distribution of grape vines in the province (Table 8), shows that the 1-3 year group accounts for only 11.8 percent of total vines, a significant drop from the 16.4 percent share in 1981. While this age group accounts for only 10.9 percent of vines in the Niagara district (Table 9), 29 percent of vines in the Southwestern district fall into that category (Table 10). The major shift in vine varieties in the Southwestern District has been the proliferation of J. Riesling. Over 50 percent of these vines are 1 to 3 years old, and this cultivar accounts for 29 percent of the total vines in the district.

TABLE 5 - FARMS REPORTING GRAPES CLASSIFIED ACCORDING TO NUMBER OF VINES ON FARM, ONTARIO, 1986

NO. OF VINES	NIAGARA	SOUTH- WESTERN ONTARIO	CENTRAL AND EASTERN ONTARIO	TOTAL	NO. OF FARMS AS % OF TOTAL
1-100.....	0	0	0	0	0.00
101-500.....	33	13	4	50	4.85
501-2,500.....	202	18	2	222	21.53
2,501-5,000.....	169	7	1	177	17.17
5,001-10,000.....	221	6	3	230	22.31
10,001-15,000.....	97	1	2	100	9.70
15,001-20,000.....	61	3	1	65	6.30
20,001-25,000.....	48	1	0	49	4.75
25,001-50,000.....	81	2	0	83	8.05
50,001 & OVER.....	50	5	0	55	5.33
TOTAL.....	962	56	13	1,031	100.00
NO. OF FARMS IN EACH DISTRICT AS % OF TOTAL.....	93.31	5.43	1.26	100.00	

TABLE 6 - GRAPE VINES IN ONTARIO, 1966-1986

VARIETY	1966	1971	1976	1981	1986	1986 AS % OF 1981
AGAWAM .....	532,145	486,302	720,692	447,734	397,194	88.71
ALDEN .....	*	*	*	8,486	6,737	79.39
AUORE .....	*	*	43,073	85,968	67,947	79.04
BACO NOIR .....	*	*	29,488	104,782	143,140	136.61
CANADA MUSCAT .....	48,090	37,577	66,381	48,821	37,373	76.55
CATAWBA.....	190,329	234,443	479,077	524,178	495,429	94.52
CHARDONNAY.....	*	*	69,797	165,111	256,673	155.45
CHELOIS .....	443,673	403,937	429,263	132,214	68,860	52.08
CONCORD .....	3,522,452	3,204,777	4,720,090	3,593,097	3,095,132	86.14
DE CHAUNAC .....	114,903	272,513	1,274,715	1,283,287	1,116,315	86.99
DELAWARE .....	303,730	356,987	589,886	504,233	391,619	77.67
DUTCHESS .....	133,971	148,310	323,145	404,878	338,054	83.50
ELVIRA .....	514,905	527,248	914,024	1,020,753	1,179,166	115.52
FOCH .....	161,521	247,558	523,231	583,229	504,724	86.54
FREDONIA .....	541,299	570,146	601,790	480,711	443,743	92.31
GAMAY .....	*	*	57,608	62,885	72,158	114.75
GEWURZTRAMINER.....	*	*	*	*	18,487	*
HIMROD.....	*	*	12,195	17,919	10,246	57.18
J.RIESLING .....	*	*	36,395	306,163	564,305	184.32
L'ALIGOTE.....	*	*	*	16,915	6,920	40.91
LE COMMANDANT .....	*	19,325	167,280	167,402	143,549	85.75
NEW YORK MUSCAT....	35,013	72,098	106,817	140,415	177,801	126.63
NIAGARA .....	1,127,129	1,093,027	1,599,105	1,019,521	844,879	82.87
PATRICIA.....	*	*	*	*	13,301	*
PINOT NOIR.....	*	*	*	*	43,120	*
PRESIDENT .....	41,404	129,543	181,730	156,571	109,493	69.93
ROSETTE .....	*	55,291	104,498	137,535	111,500	81.07
SEYVAL BLANC .....	*	*	58,506	670,149	929,637	138.72
SIEGFRIED REBE ....	*	*	*	*	73,181	*
S.V. 23-512 .....	*	*	*	169,569	572,258	337.48
S.V. 172 .....	*	*	*	*	25,838	*
VAN BUREN .....	45,526	*	62,011	55,464	26,394	47.59
VEE BLANC .....	*	*	*	43,663	108,953	249.53
VEEPORT.....	117,243	140,548	158,688	137,034	74,857	54.63
VENTURA .....	*	*	136,245	321,504	417,925	129.99
VERDELET .....	*	*	68,381	38,369	14,602	38.06
VIDAL 256 .....	*	*	14,225	168,943	800,626	473.90
VILLARD NOIR .....	*	*	53,600	105,972	147,662	139.34
VINCENT .....	*	24,032	67,635	80,029	49,136	61.40
OTHER VARIETIES ...	348,239	310,323	364,685	388,388	306,140	78.82
TOTAL.....	8,221,572	8,333,985	14,034,256	13,591,892	14,205,074	104.51

\* Included in OTHER VARIETIES



TABLE 7 - GRAPE VINES BY VARIETY AND REGION, ONTARIO, 1986

VARIETY	NIAGARA	SOUTH- CENTRAL AND		OTHER REGIONS	TOTAL	VARIETY AS % OF TOTAL
		WESTERN ONTARIO	EASTERN ONTARIO			
AGAWAM .....	389,815	500	1,000	5,879	397,194	2.80
ALDEN .....	6,437	0	300	0	6,737	0.05
AUORE .....	50,952	15,520	1,475	0	67,947	0.48
BACO NOIR .....	129,850	12,130	1,000	160	143,140	1.01
CANADA MUSCAT ....	37,293	80	0	0	37,373	0.26
CATAWBA.....	489,329	2,100	0	4,000	495,429	3.49
CHARDONNAY.....	232,971	18,302	5,400	0	256,673	1.81
CHELOIS .....	68,800	60	0	0	68,860	0.48
CONCORD .....	3,019,102	30,800	22,745	22,485	3,095,132	21.79
DE CHAUNAC .....	1,063,365	42,500	8,600	1,850	1,116,315	7.86
DELAWARE .....	388,769	2,110	640	100	391,619	2.76
DUTCHESS .....	305,185	28,869	4,000	0	338,054	2.38
ELVIRA .....	1,171,321	0	2,900	4,945	1,179,166	8.30
FOCH .....	478,587	17,072	3,500	5,565	504,724	3.55
FREDONIA .....	419,247	20,137	3,984	375	443,743	3.12
GAMAY .....	72,158	0	0	0	72,158	0.51
GEWURZTRAMINER....	10,174	5,702	2,611	0	18,487	0.13
HIMROD.....	10,066	180	0	0	10,246	0.07
J.RIESLING .....	355,552	207,758	995	0	564,305	3.97
L'ALIGOTE.....	6,920	0	0	0	6,920	0.05
LE COMMANDANT ....	141,249	0	2,300	0	143,549	1.01
NEW YORK MUSCAT...	171,641	4,260	1,900	0	177,801	1.25
NIAGARA .....	830,095	7,214	6,570	1,000	844,879	5.95
PATRICIA.....	12,765	536	0	0	13,301	0.09
PINOT NOIR.....	27,851	14,954	315	0	43,120	0.30
PRESIDENT .....	107,343	500	0	1,650	109,493	0.77
ROSETTE .....	111,100	400	0	0	111,500	0.78
SEYVAL BLANC .....	863,072	55,365	9,000	2,200	929,637	6.54
SIEGFRIED REBE ...	58,950	14,231	0	0	73,181	0.52
S.V. 23-512 .....	530,308	40,850	0	1,100	572,258	4.03
S.V. 172 .....	25,838	0	0	0	25,838	0.18
VAN BUREN .....	26,156	0	78	160	26,394	0.19
VEE BLANC .....	104,353	2,700	1,900	0	108,953	0.77
VEEPORT.....	74,807	50	0	0	74,857	0.53
VENTURA .....	413,225	1,000	3,600	100	417,925	2.94
VERDELET .....	12,811	1,791	0	0	14,602	0.10
VIDAL 256 .....	732,188	64,498	3,470	470	800,626	5.64
VILLARD NOIR .....	125,108	22,498	56	0	147,662	1.04
VINCENT .....	46,536	850	1,750	0	49,136	0.35
OTHER VARIETIES...	223,816	78,971	3,258	95	306,140	2.16
TOTAL.....	13,345,105	714,488	93,347	52,134	14,205,074	100.00
NO. OF VINES AS % OF TOTAL.....	93.95	5.03	0.66	0.37	100.00	

TABLE 8 - GRAPE VINES BY VARIETY AND AGE GROUP, ONTARIO, 1986

VARIETY	1 YEAR	2 TO 3 YEARS	4 TO 8 YEARS	9 TO 24 YEARS	25 YEARS & OVER	TOTAL	VARIETY AS % OF TOTAL
AGAWAM .....	372	2,550	5,619	270,955	117,698	397,194	2.80
ALDEN .....	0	228	956	5,117	436	6,737	0.05
AUORE .....	0	370	28,418	38,659	500	67,947	0.48
BACO NOIR .....	0	30,292	67,894	44,954	0	143,140	1.01
CANADA MUSCAT .....	10,816	0	1,560	20,872	4,125	37,373	0.26
CATAWBA .....	2,450	10,609	80,389	293,299	108,682	495,429	3.49
CHARDONNAY .....	16,130	60,889	111,267	68,387	0	256,673	1.81
CHELOIS .....	0	0	6,803	18,949	43,108	68,860	0.48
CONCORD .....	6,195	14,765	113,825	1,027,614	1,932,733	3,095,132	21.79
DE CHAUNAC .....	1,975	16,442	183,543	861,995	52,360	1,116,315	7.86
DELAWARE .....	1,885	12,118	40,915	258,146	78,555	391,619	2.76
DUTCHESS .....	335	10,683	131,772	175,196	20,068	338,054	2.38
ELVIRA .....	22,824	62,420	309,432	573,386	211,104	1,179,166	8.30
FOCH .....	1,400	1,858	60,349	426,159	14,958	504,724	3.55
FREDONIA .....	9,426	15,713	22,431	144,925	251,248	443,743	3.12
GAMAY .....	600	22,550	12,896	35,104	1,008	72,158	0.51
GEWURZTRAMINER .....	700	4,442	11,245	2,100	0	18,487	0.13
HIMROD .....	450	1,135	6,241	2,270	150	10,246	0.07
J.RIESLING .....	22,629	145,630	305,367	90,679	0	564,305	3.97
L'ALIGOTE .....	0	2,000	0	4,920	0	6,920	0.05
LE COMMANDANT .....	0	1,950	32,010	103,119	6,470	143,549	1.01
NEW YORK MUSCAT .....	8,143	24,693	59,195	75,078	10,692	177,801	1.25
NIAGARA .....	2,201	18,817	44,983	336,951	441,927	844,879	5.95
PATRICIA .....	150	300	0	2,635	10,216	13,301	0.09
PINOT NOIR .....	3,450	14,115	19,865	5,690	0	43,120	0.30
PRESIDENT .....	0	1,080	0	73,174	35,239	109,493	0.77
ROSETTE .....	1,000	11,530	5,875	89,928	3,167	111,500	0.78
SEYVAL BLANC .....	78,209	135,188	528,801	184,539	2,900	929,637	6.54
SIEGFRIED REBE .....	4,640	5,561	43,255	19,725	0	73,181	0.52
S.V. 23-512 .....	26,224	147,414	367,200	29,940	1,480	572,258	4.03
S.V. 172 .....	500	9,123	3,967	7,815	4,433	25,838	0.18
VAN BUREN .....	200	100	2,353	15,612	8,129	26,394	0.19
VEE BLANC .....	8,750	24,617	68,826	6,760	0	108,953	0.77
VEEPORT .....	0	685	0	60,758	13,414	74,857	0.53
VENTURA .....	5,655	45,410	180,900	180,947	5,013	417,925	2.94
VERDELET .....	65	460	8,627	5,360	90	14,602	0.10
VIDAL 256 .....	101,408	336,554	337,748	21,916	3,000	800,626	5.64
VILLARD NOIR .....	7,928	18,335	45,177	76,222	0	147,662	1.04
VINCENT .....	0	0	200	48,936	0	49,136	0.35
OTHER VARIETIES .....	58,685	60,094	128,891	46,328	12,142	306,140	2.16
TOTAL .....	405,395	1,270,720	3,378,795	5,755,119	3,395,045	14,205,074	100.00
NO OF VINES AS % OF TOTAL .....	2.85	8.95	23.79	40.51	23.90	100.00	



TABLE 9 - GRAPE VINES BY VARIETY AND AGE GROUP, NIAGARA DISTRICT, 1986

VARIETY	1 YEAR	2 TO 3 YEARS	4 TO 8 YEARS	9 TO 24 YEARS	25 YEARS & OVER	TOTAL	VARIETY AS % OF TOTAL
AGAWAM .....	372	2,550	5,619	267,566	113,708	389,815	2.92
ALDEN .....	0	228	656	5,117	436	6,437	0.05
AURORE .....	0	250	23,913	26,289	500	50,952	0.38
BACO NOIR .....	0	25,697	61,699	42,454	0	129,850	0.97
CANADA MUSCAT .....	10,816	0	1,480	20,872	4,125	37,293	0.28
CATAWBA .....	2,450	10,609	74,389	293,299	108,582	489,329	3.67
CHARDONNAY .....	16,130	51,102	98,852	66,887	0	232,971	1.75
CHELOIS .....	0	0	6,743	18,949	43,108	68,800	0.52
CONCORD .....	6,095	14,271	108,146	988,821	1,901,769	3,019,102	22.62
DE CHAUNAC .....	1,575	13,147	180,913	815,370	52,360	1,063,365	7.97
DELAWARE .....	1,835	12,118	40,855	255,506	78,455	388,769	2.91
DUTCHESS .....	185	10,138	103,568	171,226	20,068	305,185	2.29
ELVIRA .....	22,824	60,120	308,007	573,386	206,984	1,171,321	8.78
FOCH .....	1,300	1,328	57,075	403,926	14,958	478,587	3.59
FREDONIA .....	2,940	15,172	17,621	136,460	247,054	419,247	3.14
GAMAY .....	600	22,550	12,896	35,104	1,008	72,158	0.54
GEWURZTRAMINER .....	700	2,340	5,034	2,100	0	10,174	0.08
HIMROD .....	450	1,135	6,091	2,240	150	10,066	0.08
J.RIESLING .....	3,629	57,721	203,823	90,379	0	355,552	2.66
L'ALIGOTE .....	0	2,000	0	4,920	0	6,920	0.05
LE COMMANDANT .....	0	1,950	32,010	101,619	5,670	141,249	1.06
NEW YORK MUSCAT .....	7,943	23,693	55,645	73,668	10,692	171,641	1.29
NIAGARA .....	2,201	18,617	43,553	333,017	432,707	830,095	6.22
PATRICIA .....	150	300	0	2,410	9,905	12,765	0.10
PINOT NOIR .....	3,450	12,304	6,407	5,690	0	27,851	0.21
PRESIDENT .....	0	1,080	0	71,024	35,239	107,343	0.80
ROSETTE .....	1,000	11,530	5,875	89,528	3,167	111,100	0.83
SEYVAL BLANC .....	78,209	124,819	495,941	161,203	2,900	863,072	6.47
SIEGFRIED REBE .....	4,640	5,480	34,105	14,725	0	58,950	0.44
S.V. 23-512 .....	26,224	144,114	338,550	19,940	1,480	530,308	3.97
S.V. 172 .....	500	9,123	3,967	7,815	4,433	25,838	0.19
VAN BUREN .....	200	100	2,353	15,374	8,129	26,156	0.20
VEE BLANC .....	8,750	23,667	65,176	6,760	0	104,353	0.78
VEEPORT .....	0	685	0	60,708	13,414	74,807	0.56
VENTURA .....	5,655	44,410	178,300	179,847	5,013	413,225	3.10
VERDELET .....	65	340	7,006	5,310	90	12,811	0.10
VIDAL 256 .....	98,928	295,706	317,638	16,916	3,000	732,188	5.49
VILLARD NOIR .....	5,590	18,335	39,021	62,162	0	125,108	0.94
VINCENT .....	0	0	0	46,536	0	46,536	0.35
OTHER VARIETIES .....	51,080	49,307	69,290	42,571	11,568	223,816	1.68
TOTAL .....	366,486	1,088,036	3,012,217	5,537,694	3,340,672	13,345,105	100.00
NO OF VINES AS % OF TOTAL .....	2.75	8.15	22.57	41.50	25.03	100.00	

TABLE 10 - GRAPE VINES BY VARIETY AND AGE GROUP, SOUTHWESTERN ONTARIO DISTRICT, 1986

VARIETY	1 YEAR	2 TO 3 YEARS	4 TO 8 YEARS	9 TO 24 YEARS	25 YEARS & OVER	TOTAL	VARIETY AS % OF TOTAL
AGAWAM .....	0	0	0	500	0	500	0.07
AUORE .....	0	120	3,250	12,150	0	15,520	2.17
BACO NOIR .....	0	4,595	5,035	2,500	0	12,130	1.70
CANADA MUSCAT .....	0	0	80	0	0	80	0.01
CATAWBA.....	0	0	2,000	0	100	2,100	0.29
CHARDONNAY.....	0	9,787	8,515	0	0	18,302	2.56
CHELOIS .....	0	0	60	0	0	60	0.01
CONCORD .....	100	494	5,369	19,013	5,824	30,800	4.31
DE CHAUNAC .....	200	3,295	530	38,475	0	42,500	5.95
DELAWARE .....	50	0	60	2,000	0	2,110	0.30
DUTCHESS .....	150	545	24,204	3,970	0	28,869	4.04
FOCH .....	0	30	274	16,768	0	17,072	2.39
FREDONIA .....	6,486	521	4,810	4,846	3,474	20,137	2.82
GEWURZTRAMINER.....	0	1,102	4,600	0	0	5,702	0.80
HIMROD.....	0	0	150	30	0	180	0.03
J.RIESLING .....	19,000	87,909	100,549	300	0	207,758	29.08
NEW YORK MUSCAT....	200	0	3,150	910	0	4,260	0.60
NIAGARA .....	0	200	1,330	3,784	1,900	7,214	1.01
PATRICIA.....	0	0	0	225	311	536	0.08
PINOT NOIR.....	0	1,811	13,143	0	0	14,954	2.09
PRESIDENT .....	0	0	0	500	0	500	0.07
ROSETTE .....	0	0	0	400	0	400	0.06
SEYVAL BLANC .....	0	8,769	25,260	21,336	0	55,365	7.75
SIEGFRIED REBE ....	0	81	9,150	5,000	0	14,231	1.99
S.V. 23-512 .....	0	2,200	28,650	10,000	0	40,850	5.72
VEE BLANC .....	0	50	2,650	0	0	2,700	0.38
VEEPORT.....	0	0	0	50	0	50	0.01
VENTURA .....	0	0	0	1,000	0	1,000	0.14
VERDELET .....	0	120	1,621	50	0	1,791	0.25
VIDAL 256 .....	2,010	38,698	18,790	5,000	0	64,498	9.03
VILLARD NOIR .....	2,338	0	6,100	14,060	0	22,498	3.15
VINCENT .....	0	0	200	650	0	850	0.12
OTHER VARIETIES....	7,605	8,787	58,343	3,662	574	78,971	11.05
TOTAL.....	38,139	169,114	327,873	167,179	12,183	714,488	100.00
NO OF VINES AS % OF TOTAL.....	5.34	23.67	45.89	23.40	1.71	100.00	



TABLE 11 - GRAPE VINES BY VARIETY AND AGE GROUP, CENTRAL AND EASTERN ONTARIO DISTRICTS,  
1986

VARIETY	1 YEAR	2 TO 3 YEARS	4 TO 8 YEARS	9 TO 24 YEARS	25 YEARS & OVER	TOTAL	VARIETY AS % OF TOTAL
AGAWAM .....	0	0	0	0	1,000	1,000	1.07
ALDEN .....	0	0	300	0	0	300	0.32
AUORE .....	0	0	1,255	220	0	1,475	1.58
BACO NOIR .....	0	0	1,000	0	0	1,000	1.07
CHARDONNAY .....	0	0	3,900	1,500	0	5,400	5.78
CONCORD .....	0	0	310	5,930	16,505	22,745	24.37
DE CHAUNAC .....	200	0	500	7,900	0	8,600	9.21
DELAWARE .....	0	0	0	640	0	640	0.69
DUTCHESS .....	0	0	4,000	0	0	4,000	4.29
ELVIRA .....	0	0	1,400	0	1,500	2,900	3.11
FOCH .....	0	500	0	3,000	0	3,500	3.75
FREDONIA .....	0	20	0	3,544	420	3,984	4.27
GEWURZTRAMINER.....	0	1,000	1,611	0	0	2,611	2.80
J.RIESLING .....	0	0	995	0	0	995	1.07
LE COMMANDANT .....	0	0	0	1,500	800	2,300	2.46
NEW YORK MUSCAT....	0	1,000	400	500	0	1,900	2.04
NIAGARA .....	0	0	100	150	6,320	6,570	7.04
PINOT NOIR.....	0	0	315	0	0	315	0.34
SEYVAL BLANC .....	0	1,600	5,400	2,000	0	9,000	9.64
VAN BUREN .....	0	0	0	78	0	78	0.08
VEE BLANC .....	0	900	1,000	0	0	1,900	2.04
VENTURA .....	0	1,000	2,600	0	0	3,600	3.86
VIDAL 256 .....	0	2,150	1,320	0	0	3,470	3.72
VILLARD NOIR .....	0	0	56	0	0	56	0.06
VINCENT .....	0	0	0	1,750	0	1,750	1.87
OTHER VARIETIES....	0	2,000	1,258	0	0	3,258	3.49
TOTAL.....	200	10,170	27,720	28,712	26,545	93,347	100.00
NO OF VINES AS % OF TOTAL.....	0.21	10.89	29.70	30.76	28.44	100.00	

